

REPLACEMENT DRAWINGS
Title: METHOD AND APPARATUS FOR DETERMINING
ENFORCEMENT SECURITY DEVICES IN A NETWORK
TOPOLOGY

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FIG. 1A

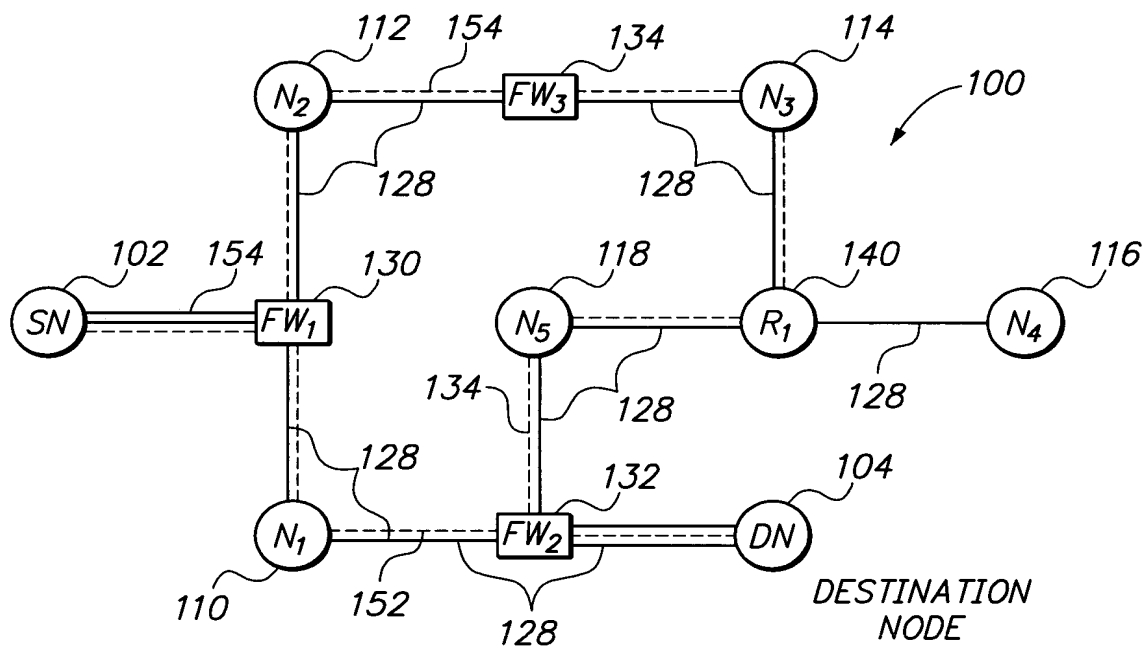


FIG. 1B

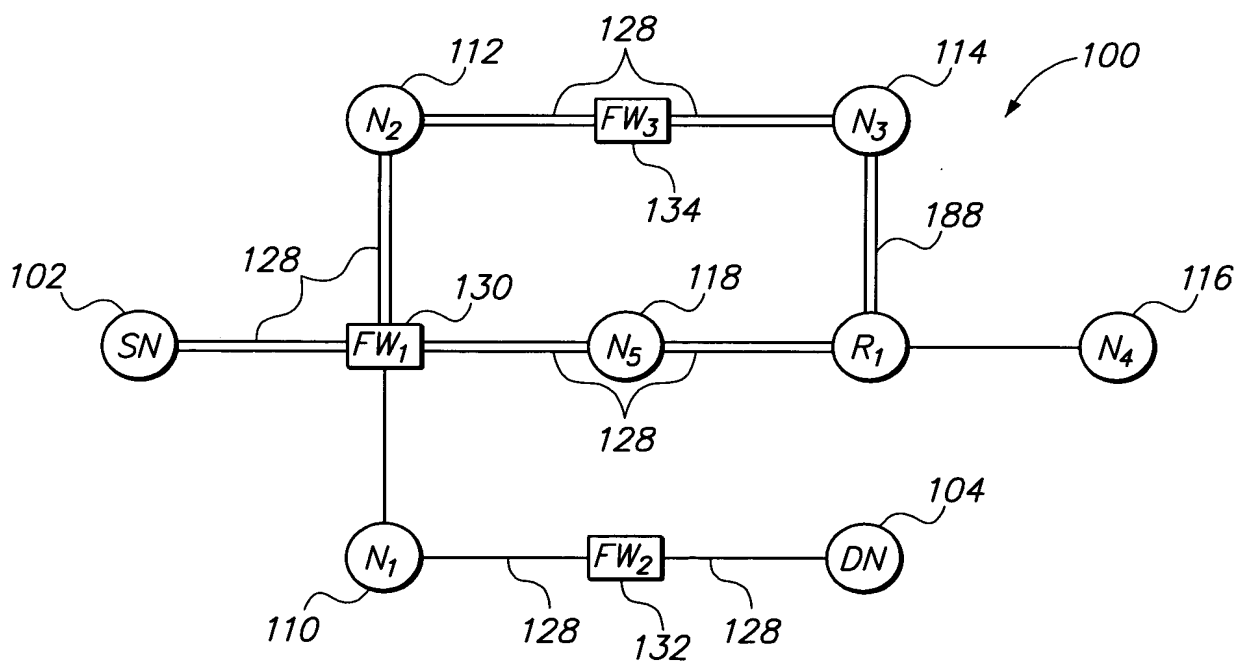
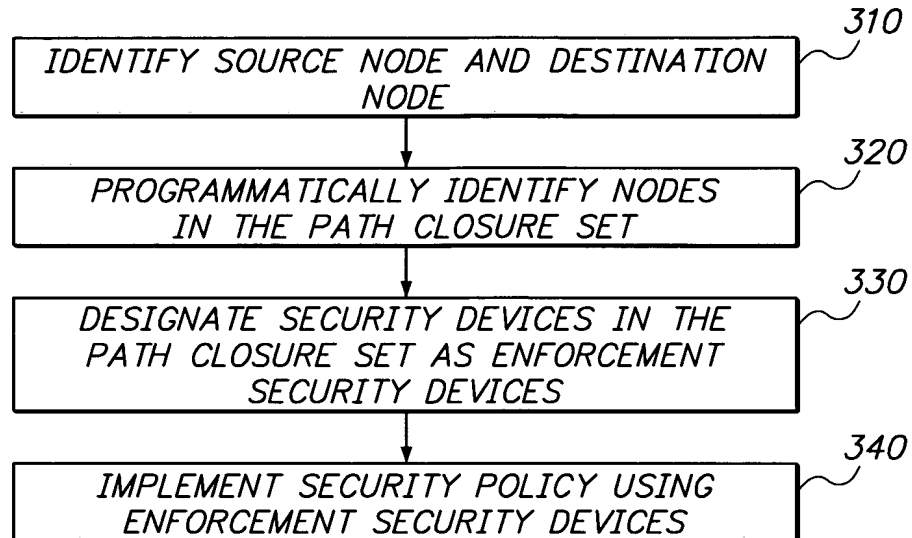




FIG. 3



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graph TD
    A((A)) --> 410[LOCATE NEW ADJACENT NODE]
    410 --> 420[IDENTIFY ADJACENT NODE AS PART OF COMMUNICATION PATH]
    420 --> 425{IS ADJACENT NODE THE DESTINATION NODE?}
    425 -- YES --> 430[DESIGNATE EACH NODE IN PATH AS PART OF PATH CLOSURE SET]
    425 -- NO --> 460{IS ADJACENT NODE A LOOP CLOSURE NODE?}
    460 -- YES --> 430
    460 -- NO --> 465{ARE ANY NODES IN THE PATH PART OF THE CLOSURE SET?}
    465 -- YES --> 470[DESIGNATE ALL NODES IN LOOP AS PART OF PATH CLOSURE SET]
    465 -- NO --> 475{IS THERE ANOTHER ADJACENT NODE?}
    475 -- YES --> 480[FLAG FIRST NODE LOCATED AFTER LOOP CLOSURE NODE WAS LOCATED THE FIRST TIME]
    480 --> 425
    475 -- NO --> 445[BACKTRACK TO PREVIOUS NODE]
    445 --> 450{IS THERE A NEW ADJACENT NODE AT PREVIOUS NODE?}
    450 -- YES --> A2((A))
    450 -- NO --> 455[REMOVE NODE FROM PATH]
    455 --> 445
    445 --> 435{ANY FLAGGED NODES?}
    435 -- YES --> 485[DESIGNATE EACH NODE IN LOOP IDENTIFIED BY FLAG NODE AS PART OF PATH CLOSURE SET]
    485 --> 440{ANY OTHER NODES LEFT IN NETWORK?}
    440 -- YES --> 445
    440 -- NO --> 440[DONE]

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